

MULTIMEDIA



UNIVERSITY

STUDENT ID NO

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MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2017/2018

DAC5018 – COMPUTER APPLICATIONS

(DIA & DBA only)

02 MARCH 2018
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 7 pages with 2 sections.
2. For **SECTION A**: Answer **ALL** questions on the OMR sheet provided.
3. For **SECTION B**: Answer **ALL** questions in the answer booklet provided.

Section A: Multiple Choice Questions (Total: 40 Marks)

Instruction: Please mark your answers on the OMR sheet provided.

1. What is the component that coordinates the functions of all other devices on computer?
A. Solid-State Drive C. Random Access Memory (RAM)
B. Hard Drive D. Control Processing Unit (CPU)
2. Which of the following is **NOT** an input device example?
A. Stylus C. Speaker
B. Keyboard D. Fingerprint scanner
3. What type of printer is **BEST** used to print an oversize world map that requires detail and precise printing quality?
A. All-in-one printer C. Plotter printer
B. Thermal printer D. Inkjet printer
4. Which of the following devices are categorized as non-volatile storage?
I. Flash Drive
II. Hard Drive
III. Read-Only Memory (ROM)
IV. RAM
A. I, II, and III C. I, III, and IV
B. II, III, and IV D. All of the above.
5. Which of the following desktop computer expansion cards provide a connection for the speakers and microphone?
A. Video card
B. Network Interface card (NIC)
C. Sound card
D. Interface card
6. Which of the following is the **CORRECT** example of an Internet Protocol version 4 (IPv4) address format?
A. 45.64.168.84 C. 255.125.2
B. 265.80.168.84 D. www.mmu.edu.my
7.

- A primary means of communication over the Internet.
 - An asynchronous communication.
 - Convenient for exchanging documents via attachments.

The above statements are **BEST** referred to:

A. Instant Messaging C. E-mail
B. Wikis D. Webcasts

Continued...

8. Which of the web application below allows user to add, remove, collaborate, or edit its content online?
- A. Instant Messaging C. E-mail
B. Wikis D. Webcasts
9. E-commerce is stands for _____.
A. engaging commerce C. easy commerce
B. electronic commerce D. entrepreneur commerce
10. Which of the followings are the guidelines to make online shopping safer?
- I. Shop at well-known, reputable sites.
II. Pay by debit card instead of credit card.
III. Check the beginning of the URL changes from "http://" to "https://" especially when you want to login a webpage.
IV. Avoid making online transactions when using public Wi-Fi.
- A. I, II, and III C. I, III, and IV
B. II, III, and IV D. All of the above.
11. Proprietary software is also known as _____ software.
A. commercial C. open source
B. assets D. web-based
12. What is the main purpose of Word Processing software?
- A. To create and edit documents.
B. To perform calculation and numerical analyses.
C. To manage e-mail, contacts, calendars, and tasks.
D. To help you manage your daily finances including electronic checkbook registers and automatic bill payment tools.
13. Imrul is a project manager in his company. Which software applications is the **BEST** to control costs and manage budgeting for his running project?
- A. project management C. spreadsheet
B. word processing D. Computer Aided-Design
14. Which of the following application software allows user to experience a real situation through a virtual environment?
- A. Genealogy tools C. Brain Training software
B. Course Management software D. Simulation software
15. Multimedia Learning System (MMLS) is an example of the _____ that offers course materials, online test, and online discussion platform through website.
- A. Genealogy tools C. Brain Training software
B. Course Management software D. Simulation software

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16. Which of the following operating system is developed by Google?
A. OS X
B. iOS
C. Android
D. Linux
17. Which of the following is the **CORRECT** hierarchical directory structure for a computer?
A. Drives, folders, subfolders, file name, and extension.
B. Extension, drives, folders, subfolders, and file name.
C. File name, extension, drives, folders, and subfolders.
D. Drives, folders, subfolders, extension, and file name.
18. _____ is one of computer Windows Ease of Access tools that allow user to command text and control your computer by voice.
A. Magnifier tool
B. Narrator tool
C. On-Screen Keyboard tool
D. Speech Recognition tools
19. What is the **CORRECT** file-management action to move a file from one location to another location in a computer?
A. Copy command
B. Cut command
C. Rename command
D. Delete command
20. Which of the following is an **INVALID** file naming convention for a document in Windows?
A. my assignment.docx
B. rabbit: assignment.docx
C. sya & imrul assignment.docx
D. iradah's assignment.docx
21. Central Processing Unit (CPU) is composed of two units, which is _____ and _____.
A. processor unit; logic unit
B. memory unit; control unit
C. control unit; arithmetic logic unit
D. processing unit; memory unit
22. Which of the followings are the factors that determine the CPU processing power?
I. Clock speed
II. Hard disk size
III. Number of cores
IV. Amount of cache memory
A. I, II, and III
B. II, III, and IV
C. I, III, and IV
D. All of the above.
23. Which of the following is the lightest computer?
A. Ultrabook
B. Desktop
C. Laptop
D. Tablet

Continued...

24. Which of the following statements is a decision to be made when getting rid your old computer?
- I. Be sure to consider what benefit you might obtain by having two systems.
 - II. Make sure you carefully remove all data from your hard drive.
 - III. An old system could be donated to a nonprofit organization.
 - IV. It is important to consider the environmental impact.
- A. I, II, and III C. I, III, and IV
B. II, III, and IV D. All of the above.
25. A(n) _____ is an expansion card which generates a feed of output images to a display device.
- A. network interface card C. output card
B. graphic card D. sound card
26. A(n) _____ is a storage device that has no mechanical motors or moving parts thus it runs with no noise and generate very little heat.
- A. external hard drive C. hard disk
B. Solid State Drive D. optical drive
27. _____ is a configuration of computer hardware components to run the CPU at a faster speed than the original setting by manufacturer.
- A. Multicore C. Hyperthreading
B. Virtual memory D. Overclocking
28. The _____ is an organization working to standardize different kinds of appliances and network devices used in our homes.
- A. Unify Device License
B. Institute of Electrical and Electronic Engineer
C. Digital Living Network Alliance
D. End User License Agreement
29. The operating system of a smartphone is stored in _____.
- A. Central Processing Unit C. Read-Only Memory
B. internal memory D. Random Access Memory
30. Which of the following statement is **TRUE** about Short Message Service (SMS) technology?
- A. SMS is no longer used as a communication medium.
B. SMS can contains pictures and videos.
C. SMS can be used in web page development.
D. SMS can only contain a limited number of characters.
31. When you place a call on a cell phone, a _____ picks up the request for service.
- A. base transceiver station
B. mobile switching centre
C. cellular network
D. flash card

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32. In telephony technology, MMS stands for:
- A. Multimedia Message Service
 - B. Multiple Message Services
 - C. Mobile Message Services
 - D. Memory Message Service
33. Which of the followings are the disadvantages of Voice over Internet Protocol (VoIP)?
- I. It can integrate with other services available over the Internet, including video conversation.
 - II. Open to security and confidentiality risks.
 - III. Inconsistent sound quality and reliability issues.
 - IV. No service during power outage.
- A. I, II, and III
 - B. II, III, and IV
 - C. I, III, and IV
 - D. All of the above.
34. Which of the followings are the factors that determine image quality?
- I. Quality of camera lenses.
 - II. File format and compression applied.
 - III. Color management software.
 - IV. Camera's resolution.
- A. I, II, and III
 - B. II, III, and IV
 - C. I, III, and IV
 - D. All of the above.
35. Which of the following is **NOT** a major category of computer virus?
- A. Worm
 - B. E-mail viruses
 - C. Micro
 - D. Logic or time bomb
36. A(n) _____ takes advantage of file transport methods to spread on its own.
- A. worm
 - B. e-mail viruses
 - C. micro
 - D. logic or time bomb
37. All of the following activities may infect your computer with a virus **EXCEPT**:
- A. Sharing flash drives.
 - B. Printing a document.
 - C. Downloading video files from peer-to-peer sites.
 - D. Downloading or running an e-mail attachment file.
38. _____ viruses temporarily erase their code from the files where they reside and hide in the active memory of the computer.
- A. Polymorphic
 - B. Multipartite
 - C. Michelangelo
 - D. Stealth

Continued...

39. _____ virus is designed to infect multiple file types in an effort to fool the antivirus software that is looking for it.
- A. Polymorphic
 - B. Multipartite
 - C. Michelangelo
 - D. Stealth
40. _____ virus changes its code to avoid detection and mostly this kind of viruses infect a particular type of file in a computer.
- A. Polymorphic
 - B. Multipartite
 - C. Michelangelo
 - D. Stealth

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Section B: Structured Questions (Total: 60 Marks)

Instruction: Please write your answers in the Answer Booklet provided.

QUESTION 1 [20 Marks]

- a) Explain the **FOUR** types of computers. (8 Marks)
- b) In the context of internet, define the followings terms:
 - i. Internet backbones (2 Marks)
 - ii. Client (2 Marks)
 - iii. Server (2 Marks)
- c) List **SIX** common types of Large Business-Related Software. (6 Marks)

QUESTION 2 [20 Marks]

- a) What happens when your computer runs out of RAM? (6 Marks)
- b) Discuss **TWO** advantages of file compression utilities for a computer. (4 Marks)
- c) List **TWO** computer components that affect the video quality. (2 Marks)
- d) List and explain the **FOUR** machine cycle process for a computer. (8 Marks)

QUESTION 3 [20 Marks]

- a) List **FOUR** primary input devices for a smartphone. (4 Marks)
- b) Provide **TWO** ways to synchronize information between smartphone to the laptop. (4 Marks)
- c) Discuss **SIX** common symptoms that show a computer has affected by computer virus. (12 Marks)

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